

#20.

Hawaiian Explorations.

D^s 4138 - 4161.

H^y 4631 - 4656.

Aug. 1st - 7th, 1902.

Next Dr. 4138.

" Hy. 4631.

Mr. Hepburn - Stailey,

" Kempff - Arnkil,

" Mitchell - Hutchinson.

U. S. S. ALBATROSS,

U. S. S. ALBATROSS,

U. S. S. ALBATROSS,

U. S. S. ALBATROSS,

U. S. S. ALBATROSS,

9.74.20

8.51.45

22-35

[Handwritten signature]

SV 34704

$$\begin{array}{r} 35 \\ 17 \\ \hline 105 \\ 35 \\ \hline 435 \end{array}$$

$$\frac{4.5}{20.2}$$

$$\frac{27}{27}$$

$$\frac{2.2}{2.2}$$

5.70

$$\begin{array}{r} 15 \\ \hline 30 \\ \hline 180 \end{array} \bigg/ \begin{array}{r} 60 \\ \hline 3 \end{array}$$

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Dutchman
 No. *5* 4138 Date *1 Aug. '02.*
Sigsbee Machine. / Reel. *Navy.* *fine.*
 Turns *435* Cor. + *41* Depth *476 fms.*
 Shot or lead *36 Lbs.*
 Bottom *for h. S. R*
 Bottom temperature *40°*
 No. of thermometer *98236.* Cor. *-0*
 Corrected temperature *40.0°* (*N 15° E*)
 Air *79* Surface *77* Drift *1.8'*
 Trawl or dredge *S' Blake, apron: New Model "alligator"*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>9-</i> 21.45	32.30	0	<i>9-</i> 40.30	29-
22.35	31.20	100	45.00	24.05
23.40	30.00	200	49.10	20.30
24.45	28.45	300	53.30	16.50
26.00	27.45	400	58.25	12.00
26.30	27.15	<i>435</i> 500	10-02.10	08.30
		600	06.50	11-04.40
		700	11.15	52.10
		800	15.00	39.05
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

24 min

Marks end of
5 4137

Honolulu Whar. 88°N, 27/10'

OK
JTB
in

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
435	164	3600	
3875	41	3700	
	435	3800	
	476	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Next	Dr. 4138.		
50	"	H. 4631.		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Towed to 820 fms under 3000# strain
Between 600 and 800 fms, strain
varied from 1000 to 4000 lbs.
Beams slightly bent, net
a complete wreck. (and frame
Nothing lost. (wrenched &
twisted)

No. ~~4139~~ 4631 Hy Date Aug 1st
 Sigsbee Machine. #1 Reel. Navy.
 Turns 400 Cor. + 38 Depth 438 fms
 Shot or lead 36#
 Bottom gy S. Frv.
 Bottom temperature 41.0
 No. of thermometer 98236 Cor. - 0
 Corrected temperature 41.0°
 Air 78 Surface 77 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-36.05	47=	0		
36.45	45.50	100		
38=	44.40	200		
39=	43.30	300		
40=	42.20	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Handwritten: Anamaulu Whse. S 60° W, 3.7'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4310	205	3400	
400	167	3500	
3910	38	3600	
	400	3700	
	438	3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

347 29.12

No. 2117 Date Aug. 2 1902
 Machine. Reel.
 Turns 168 Cor. + 44 Depth 172 fms
 Shot or lead 36 lb
 Bottom gy S. R
 Bottom temperature 20.2
 No. of thermometer 7236 Cor. - 0
 Corrected temperature 40.3
 Air 78 Surface 77 Drift 1.6
 Trawl or dredge 8 ft Beam Trawl, 3 fms.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.1.30	12.11.5	0	12.1.00	11.55
3.5.40	4.11.4	100	58.11	11.45
3.5.30	4.12.1	200	1.07.15	11.35
3.1.30	4.12.30	300	07.00	2.05.50
3.8.40	4.12.11	400	11.35	5.00.00
12.07.30	12.11.20	468		
		500	2.00.00	5.15.00
		600	2.00.00	1.40.00
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Gunn & Co

Observations made, S 57° N., 5.2'

6 K
3500

4310 201
468 161
3844 44
468
512

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Under observation, surface, at
depths of 25, 50, 100, 200,
300, 400, 500, 600, 700, 800,
900, 1000.

350

No. *4140* Date *Nov 1908*
Liggett Machine. Reel.
 Turns *308* Cor. + *31* Depth *339 fms*
 Shot or lead *36 lb*

Bottom *gy S.*
 Bottom temperature *43.6*
 No. of thermometer *78236* Cor. *-0.2*
 Corrected temperature *43.4°* (N.P.S.)
 Air *78* Surface Drift *1.5'*
 Trawl or dredge *Hyd. dredge*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>2.27.15</i>		0	<i>2.47.00</i>	<i>41.00</i>
<i>28.10</i>		100	<i>51.30</i>	<i>40.00</i>
<i>29.10</i>		200	<i>1.01.40</i>	<i>39.00</i>
<i>30.10</i>		300	<i>5.00</i>	<i>37.50</i>
<i>31.10</i>		400	<i>5.03.00</i>	<i>36.00</i>
		<i>X</i> 500	<i>0.00.00</i>	<i>35.00</i>
		600	<i>Blank - no data</i>	
		700		
		800		
		900		
		1000	<i>Anchor ground</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Anchor S.E. (100)

8317a. 7.9'

SERIAL TEMPERATURES.

REMARKS:

REMARKS:
 1. 0.6 inch - 1.0 inch. 1.0 inch
 - over 1.0 inch. 1.0 inch

No. *414* Date *4/14*

Machine. *552* Reel. *58*

Turns *399* Cor. + *3/8* Depth *457 fms*

Shot or lead

Bottom *fine s. s.*

Bottom temperature *41.0*

No. of thermometer *1125*

Cor. *-0*

Corrected temperature *41.0*

Air *62* Surface *77* Drift *1.1*

Trawl or dredge *8' B - Albatross*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>1.30.30</i>	<i>4.02.20</i>	0	<i>4.30.20</i>	<i>5.28.50</i>
<i>5.40.40</i>	<i>02.20</i>	100	<i>12.10</i>	<i>24.40</i>
<i>4.5.20</i>	<i>01.15</i>	200	<i>17.15</i>	<i>20.40</i>
<i>4.5.20</i>	<i>4.00.00</i>	300	<i>3.1.10</i>	<i>16.00</i>
<i>3.57.00</i>	<i>3.57.00</i>	<i>399</i>	<i>25.00</i>	<i>12.00</i>
		400	<i>29.00</i>	<i>08.00</i>
		500	<i>34.00</i>	<i>5.01.00</i>
		600	<i>4.36.00</i>	<i>4.56.00</i>
		700		
		800	<i>20 mins.</i>	
		900		
		1000	* Beam of this trawl was bent before went down.	
		1100		
		1200		
		1300		
		1400	** Bottom	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

346° N. 22'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4510
399
3911

151
167
218
399
427

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Course 200° 10'

507.

35-2

No. 4142. Date 2 May '02.

Sigsbee Machine. / Reel. No.

Turns 537 Cor. + 53 Depth 632 m.

Shot or lead 36

Bottom crs Manganese S. R

Bottom temperature 38.6

No. of thermometer 98236. Cor. -0.

Corrected temperature 38.6° 1N 140°E

Air 78° - Surface 77° - Drift 2.6'

Trawl or dredge 8' B- ~~Shannon~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.34.20	5.47.35	0	5.57.20	7.40.30
35.15	46.30	100	6.01.20	36.15
36.10	45.25	200	05. -	32.20
37.15	44.25	300	08.45	28.30
38.10	43.35	400	12.25	25.05
39.20	42.30	500	16.15	21.50
5.40.15	5.41.30	577	19.35	18.10
		600	22.50	14.30
		700	27.05	10.30
		800	30.30	06.05
		900	35. -	7.01.10
		1000	38.50	56.15
		1100	6.42.20	51.10
		1200		6.50.15
		1210		
		1300		
		1400		
		1500	8 min.	
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

843015' N. 73'.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
1210	3700	205
879	3800	152
2721	3900	53
	4000	632

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Strain on cable record and to 1200 fms. with
 strain, when remained at same level. — 2 fms
 holding net to bottom (bottom) record.

Course (S. G.) N. E. by N.

No. *4632* Date *2 Aug '02*
 Machine. / Reel. *Wm.*
 Turns *810* Cor. + *71* Depth *881*
 Shot or lead *36*
 Bottom *brk. for sh.*
 Bottom temperature *37.0*
 No. of thermometer *98236* Cor. *-0*
 Corrected temperature *37.0*
 Air *80°* Surface *78°* Drift
~~Trawl or dredge~~

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>44.35</i>	<i>02.50</i>	0		
<i>45.55</i>	<i>01.40</i>	100		
<i>46.15</i>	<i>8:00.40</i>	200		
<i>47.10</i>	<i>59.40</i>	300		
<i>48.20</i>	<i>58.45</i>	400		
<i>49.50</i>	<i>57.40</i>	500		
<i>50.50</i>	<i>56.35</i>	600		
<i>52.-</i>	<i>55.30</i>	700		
<i>53.15</i>	<i>54.20</i>	800		
<i>53.30</i>		<i>810</i>		
<i>77</i>	<i>end of</i>	900		
<i>SV 4142</i>		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Stamamau T. 8340 m. 10-3/5

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D*

4143

Date

Aug 2⁵

Machine #1

Reel. *Harvey*Turns *652* Cor. +*08*

Depth

710 fms

Shot or lead

30 lbs

Bottom

R

Bottom temperature

35.0

No. of thermometer

78236

Cor.

-0

Corrected temperature

*38.0**(X5.4)*

Air

77

Surface

78

Drift

3.1

Trawl or dredge

8' Blake, New Model with apron

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*9-57.30**11.50*

0

*10-18.45**58.00**10.40*

100

*22.45**51.00**59.00**09.40*

200

*26.30**48.00**59.50**08.35*

300

*31.30**44.05**10-00.45**07.30*

400

*35.30**41.10**01.45**06.20*

500

*40.00**38.30**02.45**05.15*

600

*45.00**34.10**03.30**04.30*

700

*49.10**32.50*

800

*52.40**27.05*

900

*57.45**23.30*

1000

*11 am**20.50*

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

20 Min

Observations/Sheet No 6445' 71, 4.86'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

Blank Sheet.
 4310 205
 652 147
 3658 58
 652
 710

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

5000 fathoms at 740 fms.
 1140 fms. at 740 fms.
 all other fms. at 740 fms.

No. *11633* Date *Aug 25 02.*
Sigsbee Machine # *1* Reel. *Hand*
 Turns *565* Cor. + *251* Depth *016*
 Shot or lead *36 #*
 Bottom *fine gy. s.*
 Bottom temperature *33.0*
 No. of thermometer *95236* Cor. *-2*
 Corrected temperature *38.0°*
 Air *81* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.00.10</i>	<i>12.07.30</i>	0		
<i>12.20</i>	<i>08.45</i>	100		
<i>58.10</i>	<i>07.45</i>	200		
<i>59.10</i>	<i>06.20</i>	300		
<i>12.00.10</i>	<i>05.40</i>	400		
<i>01.20</i>	<i>04.20</i>	500		
<i>07</i>	<i>11.15.30</i>	565		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

37570. 11.2'

11
360
24

4310
565
3745

231
1
56
616

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4144 Date 2 July 08

Machine. Recl.

Turns 781 Cor. + 9 Depth 850

Shot or lead 60

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature 37.4°

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

07.00		0	10.30	30
07.20		100	10.50	40
07.40		200	11.10	50
08.00		300	11.30	60
08.20		400	11.50	70
08.40		500	12.10	80
09.00		600	12.30	90
09.20		700	12.50	100
09.40		800	13.10	110
09.50		900	13.30	120
		1000	13.50	130
		1100	14.10	140
		1200	14.30	150
		1300	14.50	160
		1400	15.10	170
		1500	15.30	180
		1600	15.50	190
		1700	16.10	200
		1800	16.30	210
		1900	16.50	220
		2000	17.10	230
		2100	17.30	240
		2200		
		2300		
		2400		

8554571, 7.5'

	2500
	2600
	2700
	2800
	2900
	3000
	3100
	3200
	3300
	3400
	3500
	3600
	3700
	3800
	3900
	4000

7.15
 2017
 26
 78.1
 150

TEMPERATURES.

DEPTH.	TEMP.	OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1634* Date *Sept 27*
 Machine. *Reel.*
 Turns *704* Cor. + *6* Depth *765 fms*
 Shot or lead
 Bottom *gy. gy.*
 Bottom temperature *38.9*
 No. of thermometer *77206* Cor. *-6*
 Corrected temperature *38.0*
 Air *80* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.51.40</i>	<i>5.48</i>	0		
<i>3.52.10</i>	<i>5.46</i>	100		
<i>3.52.40</i>	<i>5.44</i>	200		
<i>3.53.10</i>	<i>5.42</i>	300		
<i>3.53.40</i>	<i>5.40</i>	400		
<i>3.54.10</i>	<i>5.38</i>	500		
<i>3.54.40</i>	<i>5.36</i>	600		
<i>3.55.10</i>	<i>5.34</i>	700		
<i>3.55.40</i>	<i>5.32</i>	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Handwritten: 84607176 7441

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
4210, 221	3600	
704,	3700	
3606	3800	
	3900	
767	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1908

No. 1134 Date May 22

Machine. Reel.

Turns 48 Cor. + 5 Depth 53 fms

Shot or lead

Bottom

Bottom temperature

No. of thermometer 98236 Cor. -0.1

Corrected temperature 71.6°

Air 79 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.35.10	4.4.30	48	
40.10	40.50	100	
		200	
		300	
		400	
		500	
		600	
		700	
		800	
		900	
		1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

Off ...

	2500	Kapuni
	2600	...
	2700	N 53° 30' E.
	2800	2.0
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
4310 205	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

0.8

No. 4626

Date

4th August 1907

Machine.

Reel.

Turns

236

Cor. +

W

Depth

260 f

Shot or lead

Bottom

Co. Co. 48.00

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

80

Surface

78

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.02.00	10.08.30	0	
03.15	07.30	100	
04.45	06.20	200	
05.20	10.06.15	236	
		300	
		400	
		500	
		600	
		700	
		800	
		900	
		1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

Papua Pt, Kaurai, N. 79° E., 3.6'

OK
JTB
5

270
24
1.0

4310 200

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4637 Date 4th August 07
 Machine. Reel.
 Turns 309 Cor. + 30 Depth 394 fms
 Shot or lead 36 lb
 Bottom brn. cov. Fe. S.
 Bottom temperature 42.2
 No. of thermometer 91236 Cor. - 0.2
 Corrected temperature 42.0
 Air 80 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.30.30	10.34.00	0		
31.20	36.40	100		
32.00	35.40	200		
32.40	34.40	300		
33.15	33.40	399		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapua Pt, Kauai, S 86° 30' E, 5.5'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4310

359

3951

200

100

50

25

12.5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507
Stacy

C. L. H. S.

No. 1035 Date 4 April 05
Machine. Reel. 551
Turns 504 Cor. + 4' Depth 551
Shot on lead 36 lb
Bottom fine gy S. M.
Bottom temperature 39.6
No. of thermometer 23256 Cor. - 0
Corrected temperature 39.6
Air 64 Surface 78 Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.59.40	09.10	0		
11.00.20	08.15	100		
01.10	07.20	200		
01.15	06.25	300		
02.40	05.30	400		
03.40		500		
03.50		504		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapua Pt. Kauai, S 75° E. 7.2'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	201	3500	
504	158	3600	
5100	43	3700	
	504	3800	
	551	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

6.8

No. 1639 Date July 67
 Machine. Reel.
 Turns 841 Cor. + 60 Depth 914 fms
 Shot or lead
 Bottom gy. ss. br. sh.
 Bottom temperature 37.1
 No. of thermometer 98286 Cor. —
 Corrected temperature 37.1
 Air 84 Surface 79 Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
	11.42.35	0		
	47.30	100		
33.35	46.30	200		
34.50	45.35	300		
36.10	44.40	400		
37.00	43.35	500		
38.15	42.35	600		
39.40	41.40	700		
40.10	40.40	800		
40.50	40.15	841		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Patrol Pt. Miami, Sept. 8. 1900

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4310 200
841 137
3469 73
841
914

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine. — Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

78

Surface

177

Drift

N 61° W, 3.0

Trawl or dredge

100

177

177

177

177

177

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2 hauls, 15 m.

2 hauls, 15 m.

2 hauls, 15 m.

2 hauls, 15 m.

2 hauls, 15 m.

2 hauls, 15 m.

2 hauls, 15 m.

1 hr. 30 m.

B.C. Kane

22° 27' 30" N 160° 40' W

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Very cloudy surface S. 13. Choppy sea 11/10/19			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 1414 Date 5 Aug. 02.

Tanner Machine. - Reel.

Turns 22 Cor. + 1 Depth 23 fms.

Shot or lead 26 Lbs.

Bottom crs. co. S. For.

Bottom temperature 78.8

No. of thermometer 9853 Cor. -0.1

Corrected temperature 78.7 (M^o 8

Air 79° - Surface 77° - Drift 1.6'

Trawl or dredge 9 fms. Tanner Frame

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.45.50

0

8.49.30

9.16.20

60

9.51.15

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Station of ...
Bird's *Center of Bird's* *5620 W*
5/10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
<i>476</i>	3800	
<i>2</i>	3900	
<i>17-4</i>	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4/4* Date *5 Aug. 88*

Tanner Machine. Reel.

Turns *25* Cor. + *1* Depth *26 fms.*Shot or lead *26 lbs.*Bottom *Co. Corals.*Bottom temperature *78 -*No. of thermometer *98286* Cor. *-0.1*Corrected temperature *77.9* (*N 8° W,*Air *81°* - Surface *77°* - Drift *1.2'*Trawl or dredge *8 Hook's Dredge on Frame*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0	<i>9.21.30</i>	<i>9.47. -</i>
		60	<i>9.23.45</i>	<i>9.44.40</i>
		100		
		200		
<i>Also marks on</i>		300		
<i>of</i>		400		
<i>4/4</i>		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Buoy 20 - S 21° W, 2.0'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

358

No. Δ 4148. Date May 22,

Tanner Machine. - Reel.

Turns 25 Cor. +

Depth 26 fms.

Shot or lead 26 LB.

Bottom co. S. For.

Bottom temperature 78. -

No. of thermometer 98236. Cor. -0.1

Corrected temperature 77.9

Air 81° - Surface 77° - Drift { North 1.1'

Trawl or dredge 9

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.48.40

0
50
1002.51.20 10.17.10
10.00.00 10.00.00

200

21 min.

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Center of Buoy. S 16° W, 3.2'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4149* Date *Aug. 03*

Tanner Machine. - Reel.

Turns *32* Cor. + *1* Depth *33*

Shot or lead *26 Lbs.*

Bottom *Co. Corals.*

Bottom temperature *77.8*

No. of thermometer *7824* Cor. *-0.1*

Corrected temperature *77.7* (Heath)

Air *81.5* Surface *78.5* Drift *1.5'*

Trawl or dredge *8' Beam Trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.19.30

Also Trawl and

Dec. 4149.

0

75

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Center of Bria 88- 57°30' N; 4°3'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4150*. Date *Aug. 62.**Tanner* Machine. - Reel.Turns *68* Cor. + *3* Depth *71*Shot or lead *26 Lbs.*Bottom *Co.*Bottom temperature *71.1*No. of thermometer *98236* Cor. *-0.1*Corrected temperature *74.0* (*N 20 W*)Air *82* Surface *75* Drift *1.1'*Trawl or dredge *7 fms. beam trawl*

Am. SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Center of Area 30, 86° W, 5.5'

	2500	
	2600	
0.16	2700	
0.70	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
4.00	3700	12
6.00	3800	3
17.8	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4640* Date *Aug. '00.*
Sigsbee Machine. Reel. *Hand*
 Turns *606* Cor. + *55* Depth *661 fms.*
 Shot or lead *36 Lbs.*
 Bottom *R.*
 Bottom temperature *38.7°*
 No. of thermometer *9855* Cor. *-*
 Corrected temperature *38.7*
 Air *84* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11. 42.50</i>	<i>57.05</i>	0		
<i>44. -</i>	<i>56.10</i>	100		
<i>44.55</i>	<i>55. -</i>	200		
<i>46. -</i>	<i>54. -</i>	300		
<i>47. -</i>	<i>53.10</i>	400		
<i>48.15</i>	<i>52.10</i>	500		
<i>49.30</i>	<i>51. -</i>	600		
		606		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Cutter of Braid - S/4045' N., 6 1/16'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

July 27

507

No. 4641

Date Aug 5th

Machine #1 Reel

Turns 616 Cor. + 55 Depth 671 fms

Shot or lead 60

Bottom fm co S. For

Bottom temperature 38.5

No. of thermometer 78236 Cor. -0

Corrected temperature 38.5

Air 84 Surface 79 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

12:14.00	25.55	0
14.40	24.50	100
15.25	23.55	200
16.10	22.55	300
17.00	22.05	400
17.50	21.15	500
18.45	20.20	600
19 =	20.10	616

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Cable of Bridge, 54°30' N., 7.6'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4310	205	3400	
616	150	3500	
		3600	
3694	55	3700	
	616	3800	
	671	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Category 29

No. *Hy 4642* Date *Aug 15 1882*
Machine. Reel.
Turns *627* Cor. + *57* Depth *684 fms*
Shot or lead *35 lbs*
Bottom *fine co s fm*
Bottom temperature *38.5°*
No. of thermometer *75286* Cor. - *0*
Corrected temperature *38.5°*
Air *85* Surface *81* Drift
Trawl or dredge.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>51.55</i>	<i>03.53</i>	0		
<i>52.55</i>	<i>02.45</i>	100		
<i>52.40</i>	<i>01.45</i>	200		
<i>53.20</i>	<i>1.00.40</i>	300		
<i>54.10</i>	<i>59.45</i>	400		
<i>55.00</i>	<i>58.45</i>	500		
<i>55.55</i>	<i>57.50</i>	600		
<i>56.17</i>	<i>57.25</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Cable of Bna 82 84074. 9 7/10'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
4310	205	3300	
627	145	3400	
3683	57	3500	
	627	3600	
	LSA	3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Oct 31

Intercom

No. *4643* Date *Aug 5*
Sigsbee Machine # *1* Reel *Heavy*
 Turns *925* Cor. + *80* Depth *1005 fms*
 Shot or lead *60 lbs.*
 Bottom *fine co S. F.*
 Bottom temperature *36.50*
 No. of thermometer *95236* Cor. *—*
 Corrected temperature *36.80*
 Air *85* Surface *81* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-27.55</i>	<i>47.10</i>	0		
<i>28.40</i>	<i>46.05</i>	100		
<i>29.20</i>	<i>45.05</i>	200		
<i>30.00</i>	<i>44.05</i>	300		
<i>31.00</i>	<i>43.05</i>	400		
<i>32.00</i>	<i>42.05</i>	500		
<i>33.00</i>	<i>41.00</i>	600		
<i>34.00</i>	<i>40.00</i>	700		
<i>35.00</i>	<i>39.00</i>	800		
<i>36.00</i>	<i>38.00</i>	900		
<i>36.10</i>	<i>37.50</i>	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Buoy 8° 53' N, 11.7'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
925	125	3600	
3385	80	3700	
	925	3800	
	1005	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

41 -

No. *4614* Date *Aug 5 1882*
 Machine *#1* Reel *Stony*
 Turns *1415* Cor. + *117* Depth *1532 fms*
 Shot or lead *60 lbs.*
 Bottom *fine co S. Fr.*
 Bottom temperature *35.5*
 No. of thermometer *5226* Cor. *- ()*
 Corrected temperature *35.5*
 Air *92* Surface *79* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-55.40</i>	<i>06.30</i>	0		
<i>36.21</i>	<i>05.40</i>	100		
<i>37.57</i>	<i>04.40</i>	200		
<i>40.00</i>	<i>03.45</i>	300		
<i>41.50</i>	<i>02.45</i>	400		
<i>41.40</i>	<i>01.35</i>	500		
<i>42.55</i>	<i>00.00</i>	600		
<i>43.20</i>	<i>59.10</i>	700		
<i>44.20</i>	<i>58.10</i>	800		
<i>45.20</i>	<i>57.10</i>	900		
<i>46.20</i>	<i>56.10</i>	1000		
<i>47.20</i>	<i>55.10</i>	1100		
<i>48.30</i>	<i>54.05</i>	1200		
<i>49.30</i>	<i>53.05</i>	1300		
<i>50.40</i>	<i>52.05</i>	1400		
<i>51 =</i>	<i>52.00</i>	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Area D.

8/36°W, 16.0'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	2005	3500	
1415	88	3600	
2895	117	3700	
	1415	3800	
	1532	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

361

No. 4157 Date Aug 10/07
 Machine. Reel. Halsey
 Turns 801 Cor. + 70 Depth 871
 Shot or lead 60
 Bottom fm. co. S. Fm. Sk.
 Bottom temperature 7.8
 No. of thermometer 97223 Cor. - 0
 Corrected temperature 37.8 (876.0 W)
 Air 85° - Surface 79° - Drift 2.2'
 Trawl or dredge 5 1/2' Dredge, open.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.20.20	15.10	0	5.20. -	5.02.05
5.00.00	14.10	100	24. -	58. -
00.50	13.10	200	27.30	54.30
01.50	12.10	300	30.45	51.20
02.40	11.20	400	35. -	47.55
03.40	10.30	500	38.45	44.10
04.40	09.20	600	41.50	40.45
05.40	08.30	700	45.00	37.20
5.06.45	5.07.30	800	48.50	34. -
		900	52.30	30.40
		1000	56.50	27.10
		1100	6.09.55	23.45
		1200	6.13.40	6.17.55
		1300		
		1400	2.2 min.	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Braid - 8320 H. 12.8'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4310 200
801 135
5509 850
621
871

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4152.* Date *5 Aug. '02.**Sigsbee* Machine. / Reel. *Handy.*Turns *285* Cor. + *28* Depth *313* fms.Shot or lead *36* Lbs.Bottom *ky.*Bottom temperature *44.8*No. of thermometer *98236.* Cor. *-0.2*Corrected temperature *114.6°* (*115.0°*)Air *82°* - Surface *-0°* - Drift *3.3'*Trawl or dredge *8' Blake.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.04.40</i>	<i>7.10.40</i>	0	<i>7.15.30</i>	<i>25.00</i>
<i>05.20</i>	<i>09.25</i>	100	<i>23.15</i>	<i>24.00</i>
<i>06.05</i>	<i>08.25</i>	200	<i>26.05</i>	<i>19.50</i>
<i>7.06.45</i>	<i>7.07.30</i>	<i>285</i>	<i>30.30</i>	<i>15.30</i>
		300	<i>34.20</i>	<i>11.00</i>
		400		
<i>Also 2 min. and</i>		500	<i>38.30</i>	<i>07.10</i>
<i>of</i>		<i>515</i>	<i>* 40.25</i>	<i>03.10</i>
<i>1 min. 4151.</i>		600	<i>52.55</i>	
		<i>650</i>	<i>55.15</i>	<i>8.30.50</i>
		700		
		800	<i>20 min</i>	
<i>1 Surface Net =</i>		900		
<i>7.22.40 - 7.28 p.</i>		1000	<i>1 hour, 15 min.</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird's. 823°30' N., 11.6'

616
2500

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
4210	205	3800	
	285	3900	
	28	4000	
	213		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Cloudy, warm; calm to light S.W. breeze.			
50	airs, smooth sea.			
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Trawl took bottom with 480 fms. out on cable. The cable & sudden jerk on the cable when 545 fms. were out. Lost 8' Beanie Trawl Frame. Net wrecked.

Seam
Sewer

No. *444645* Date *Aug 5, 1912.*

Machine *71* Reel *1*

Turns *748* Cor. + *66* Depth *814 fms*

Shot or lead *36 lbs.*

Bottom *R*

Bottom temperature *37.6°*

No. of thermometer *88236* Cor. *- 0*

Corrected temperature *37.6°*

Air *80* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>31.15</i>	<i>50.50</i>	0		
<i>31.50</i>	<i>49.45</i>	100		
<i>32.40</i>	<i>48.40</i>	200		
<i>33.35</i>	<i>47.25</i>	300		
<i>34.40</i>	<i>46.15</i>	400		
<i>35.40</i>	<i>44.35</i>	500		
<i>37.20</i>	<i>43.10</i>	600		
<i>38.55</i>	<i>41.50</i>	700		
<i>39.50</i>	<i>41.00</i>	<i>748</i> 800		
<i>Mark end of</i> <i>4152</i>		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bria Id. S 70° 30' 74.4 11 8/10

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
748	139	3600	
3562	66	3700	
	748	3800	
	514	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

363 Pat 57 67

107.

No. 4103 Date Aug 5th
 Machine #1 Reel. Heavy

Turns 885 Cor. + 77 Depth 962 fms

Shot or lead 36 lbs.

Bottom oo S

Bottom temperature 37.0
 No. of thermometer 7156 Cor. - 0

Corrected temperature 37.0° { N 81° W

Air 81 Surface 77 Drift { 4.1'

Trawl or dredge 3 Blake

SOUNDING WIRE.

DOWN.	UP.
9-18.55	40.00
17.50	39.50
20.25	38.45
21.25	37.40
22.25	36.25
23.45	35.15
25.00	34.00
26.20	32.40
27.40	31.20
28.40	30.20
Surface Net	
10.50 P.	10.57

7 min

TURNS.

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400

DREDGE ROPE.

DOWN.	UP.
9-48.50	40.50
53.40	37.10
58.35	33.45
10-03.20	30.00
07.15	26.15
11.20	23.10
15.10	19.50
19.45	16.25
24.15	12.55
28.55	09.20
33.15	05.40
37.35	11-01.55
41.10	58.30
45.30	55.15

11 min

Center of Line D. S 120 W. 9.7'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
385	128	3600	
3425	77	3700	
	885	3800	
	962	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Clear and pleasant Light breeze from E.N.E Smooth Sea			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Struck bottom at 1040 fms

1902

No. *4646* Date *Aug 5 1902*

Machine. # *1* Reel. *Hand*

Turns *775* Cor. + *84* Depth *1059 fms*

Shot or lead *36 lb*

Bottom *co. s. m.*

Bottom temperature *38*

No. of thermometer *75536* Cor. *0*

Corrected temperature *38.0*

Air *81* Surface *78* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>45.00</i>	<i>10.50</i>	0		
<i>45.20</i>	<i>09.40</i>	100		
<i>45.40</i>	<i>08.30</i>	200		
<i>45.55</i>	<i>07.20</i>	300		
<i>46.10</i>	<i>06.05</i>	400		
<i>46.25</i>	<i>04.45</i>	500		
<i>46.40</i>	<i>03.30</i>	600		
<i>46.55</i>	<i>02.15</i>	700		
<i>47.10</i>	<i>12.00 25</i>	800		
<i>47.25</i>	<i>58.45</i>	900		
<i>47.40</i>	<i>57.40</i>	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Marker used *15 4153*

Center of Bridge 81° E, 10.4'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
975	121	3600	
3333	84	3700	
	975	3800	
	1059	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

W. L. = 56.2

No. *Hy. 4645* Date *6 Aug. '02.*

Sigsbee Machine. / Reel. *Hand*

Turns *31* Cor. + *3* Depth *34 fms.*

Shot or lead *36* Lbs.

Bottom *ss. Coraline*

Bottom temperature *76.5°*

No. of thermometer *98236* Cor. *-0.1*

Corrected temperature *76.4°*

Air *79°* - Surface *77°* - Drift

Trawl or dredge

Am. SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.10.50

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Center of Brio Id. S 8° N, 4.5'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

0.2
K. 10.
2.7

31
3
— 34

4310

205

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4447. Date 6 Aug. '02.

Sigsbee Machine. / Reel. 700.

Turns 50. Cor. + 5 Depth 55 fms.

Shot or lead 36 Lbs.

Bottom crs. ls. S. Bk. Sh. Gr.

Bottom temperature 72.1°

No. of thermometer 98236. Cor. -0.1

Corrected temperature 72.0°

Air 79° - Surface 77° - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.27.30		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bridge - $58^{\circ} 7' N$, $5.3'$

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

58.2

No. 4649 Date 6 Aug. '02.
Sigsbee Machine. Reel. Navy.
Turns 216 Cor. + 22 Depth 238 fms.
Shot or lead 36 Lbs.
Bottom Co. G.
Bottom temperature 49°
No. of thermometer 98536 Cor. -0.2
Corrected temperature 48.8°
Air 79° - Surface 77° - Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
J. 43.20	48.45	0		
44.30	47.40	100		
45.25	46.40	200		
J. 45.30	46.20	216		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Area 56° 30' N, 6.3'

Handwritten notes:
 216
 22
 238

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

364 Port 587

No. 5

Date Aug 2th

Machine. Sigsbee

Reel. Heavy

Turns 583 Cor. + 53

Depth 636 fms

Shot or lead 36 lb.

Bottom fm m. S.

Bottom temperature 38.8

No. of thermometer 75286

Cor. - 0

Corrected temperature 38.8°

Air 77

Surface 77

Drift

Trawl or dredge

8' Blake

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

19.15

0

08.55

100

08.37

200

07.90

300

06.00

400

05.00

500

4.00

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

19.20

18.50

18.10

17.50

17.30

17.10

16.50

16.30

16.10

15.50

15.30

15.10

14.50

14.30

14.10

13.50

13.30

13.10

12.50

12.30

12.10

11.50

11.30

11.10

10.50

Center of Bridge 56° 30' N, 6.9'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4310	500	3600	
553	152	3700	
3727	53	3800	
	553	3900	
	500	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Trawl hauled to bottom 576 fms
1500 ft. when commenced
heaving in.

No. *4650* Date *July 6*
 Machine. *#1* Reel. *1*
 Turns *1170* Cor. + *100* Depth *1270 fms*
 Shot or lead *36 lbs*
 Bottom *fine co. S, Glob*
 Bottom temperature *35.1*
 No. of thermometer *75236* Cor. *- 0*
 Corrected temperature *35.8°*
 Air *81* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-56.05</i>	<i>23.35</i>	0		
<i>56.45</i>	<i>22.30</i>	100		
<i>57.25</i>	<i>21.20</i>	200		
<i>58.10</i>	<i>20.20</i>	300		
<i>58.55</i>	<i>19.15</i>	400		
<i>59.40</i>	<i>18.10</i>	500		
<i>10-00.35</i>	<i>16.55</i>	600		
<i>01.30</i>	<i>15.40</i>	700		
<i>02.35</i>	<i>14.15</i>	800		
<i>03.40</i>	<i>12.50</i>	900		
<i>04.50</i>	<i>11.10</i>	1000		
<i>06.10</i>	<i>09.30</i>	1100		
<i>06.50</i>	<i>08.10</i>	1170 1200		
		1300		
<i>Marker end of</i>		1400		
<i>5 1154</i>		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Area S. 58° E, 8.0'

616
1000
2

4210
1170
3140

235
165
70
1270

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507
 No. 4651 Hy. Date Aug 2, 1912
 Machine. / Reel. *Hand*
 Turns 1345 Cor. + 113 Depth 1458 fms
 Shot or lead 60 #
 Bottom *gy. Co. S. bl. b.*
 Bottom temperature *35.2°*
 No. of thermometer 78236 Cor. -0
 Corrected temperature *35.2°*
 Air 82 Surface 78 Drift
~~Trawl or dredge~~

SOUNDING WIRE.		TURNS:	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.31.30	17.54.4-	0		
12.15	58.40	100		
13.00	57.40	200		
34.00	56.40	300		
35.00	55.40	400		
36.00	54.40	500		
37.00	53.50	600		
38.00	52.40	700		
39.00	51.50	800		
40.00	50.40	900		
41.10	49.40	1000		
42.15	48.30	1100		
43.15	47.30	1200		
44.30	46.40	1300		
45.00	46.00	1345		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Buoy Dr. S 31° 74, 15.0'

1100

4310 20.5
 1345 72
 2965 113
 1345
 1458

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

0.2.74 - 360

No. 41155 Date Aug 07

Machine. Reel.

Turns 1072 Cor. + 92 Depth 1164 fms

Shot or lead 60

Bottom 106. 260

Bottom temperature 98.26

No. of thermometer 36.0 Cor. -0

Corrected temperature 36.0 (N 71° W)

Air 82 Surface 78 Drift 4.2

Trawl or dredge 5 ft. Rope, apron

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1:22.40	1: 45.10	0	1.49.30	5.00.00
23.25	44.05	100	55.20	56.25
24.30	43.05	200	57.10	52.35
25.15	42.10	300	2 00.30	50.20
26.10	41.05	400	04.00	45.25
27.15	40.10	500	07.00	44.15
28.30	39.10	600	10.30	41. -
29.45	38.00	700	14.30	38. -
30.20	36.55	800	18.10	34.55
31.30	35.50	900	21.00	32.05
32.35	34.50	1000	24.10	27.20
1:33.20	33.10	1072	27.30	26.15
		1200	33.30	23. -
		1300	36.40	19.55
		1400	40.30	16.35
		1500	43.30	13.10
		1600	47.00	09.45
		1700	50.15	06.20
		1800	53.40	4.03. -
		1900	56.30	59.10
		2000	59.00	54.55
		2100	3.01.20	51.10
		2200	* 04.30	47.15
		2300	16.20	43.00
		2400	17.30	2.39.50

Center of Bird 22- 5 31° 30' N, 13.0'			
23.00	234.40	2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
1072	113	3600	
3234	12	3700	
	1072	3800	
	1164	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1652* Date *Feb. 6, '02*
Sigsbee Machine. / Reel. *Wray*
 Turns *1472* Cor. + *121* Depth *1593 fms.*
 Shot or lead *60 lbs.*
 Bottom *fine c. S. Glob.*
 Bottom temperature *35.1°*
 No. of thermometer *78286* Cor. *- 0*
 Corrected temperature *35.1°*
 Air *80°* - Surface *78°* - Drift
 Trawl or dredge

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
<i>5.04.20</i>	<i>35.20</i>	0		
<i>05.10</i>	<i>34.15</i>	100		
<i>05.55</i>	<i>33.15</i>	200		
<i>06.45</i>	<i>32.20</i>	300		
<i>07.30</i>	<i>31.20</i>	400		
<i>08.25</i>	<i>30.20</i>	500		
<i>09.20</i>	<i>29.20</i>	600		
<i>10.15</i>	<i>28.20</i>	700		
<i>11.10</i>	<i>27.15</i>	800		
<i>12.10</i>	<i>26.10</i>	900		
<i>13.05</i>	<i>25.00</i>	1000		
<i>14.05</i>	<i>23.50</i>	1100		
<i>15.05</i>	<i>22.30</i>	1200		
<i>16.05</i>	<i>21.40</i>	1300		
<i>17.10</i>	<i>20. -</i>	1400		
<i>18.15</i>	<i>19. -</i>	1472		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Marker end of
N^o 4155

Center of Gravity

513.0 W, 13.0'

OK
J.H.D.
1/4

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4310

205

1473

84

2837

1473

1594

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 171 Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor. -0.3

Corrected temperature

Air

79

Surface

78

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Center of Area 579° E. 7.2'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

19.9 13601

No. 156 Date 6-11-02
Machine 1 Reel 1

Turns 260 Cor. + 26 Depth 286

Shot or lead 36

Bottom Wk. m. S. R

Bottom temperature 46.0

No. of thermometer 98236 Cor. -0.2

Corrected temperature 45.8

Air 14.1 Surface 78 Drift N 59° E

Trawl or dredge 3 ft. beam trawl

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
32.10	31.50	0	4.11.30	5.00
33.00	31.40	100	46.00	45.40
33.22	31.20	200	44.50	44.00
		300	43.10	42.00
		400	41.00	40.00
		500	10.04.00	38.40
		600	08.10	37.30
		700	15.40	26.30
		800	13.30	22.00
		900		
		1000	16 min	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Com. N. A. V. C.

Center of Bird 83. 8790 E, 9.2'

OK
3000
3100

260
270
280

4310 200

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS: A 16' X 16' X 16' frame of 35# steel. Slightly bent, upper part of not wrecked.

No. 4614 Date 5/12/12

Machine. Reel.

Turns 20 Cor. + 48 Depth 68

Shot or lead 36 lb

Bottom Co. S.

Bottom temperature 39.0

No. of thermometer 98236

Cor. -

Corrected temperature 39.0°

Air 79

Surface 77

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Center of Bird Is. 577° 30' E, 10.8'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 700 Cor. +

Depth 762

Shot or lead 60 lb

Bottom

Bottom temperature

No. of thermometer 40

Cor. - 0

Corrected temperature 38.0°

Air 79

Surface 77

Drift

2.4'

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11.22.20	11.44.20	0	11.44.20	1.57.25
21.10	11.45.20	100	44.20	53.40
31.15	11.46.20	200	45.20	50.20
41.20	11.47.20	300	46.20	46.20
51.30	11.48.20	400	55. -	43. -
61.40	11.49.20	500	59.10	39.30
71.50	11.50.20	600	72.02.40	36. -
82.00	11.51.20	700	07.20	31.45
92.10	11.52.20	800	11.10	27. -
102.20	11.53.20	900	14.10	22. -
112.30	11.54.20	1000*	17.10	16.30
122.40	11.55.20	1100	21.25	1.07.25
132.50	11.56.20	1200	12.26.20	44.20
143.00	11.57.20	1300	12.39.30	12.39.30
153.10	11.58.20	1400		
163.20	11.59.20	1500	22 min.	
173.30	12.00.20	1600		
183.40	12.01.20	1700		
193.50	12.02.20	1800	* Took	
204.00	12.03.20	1900		
214.10	12.04.20	2000		
224.20	12.05.20	2100		
234.30	12.06.20	2200		
244.40	12.07.20	2300		
	12.08.20	2400		

Center of Bird Is. S 77° 30' E., 11.1'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

Aug. 02.

4310 30.5
700 143
3612 6.2
722

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Steamer moved out to 12 1/2 fms. white clouds. Commenced
to receive in, reached 1170 fms. when had to move out to
12 1/2 fms. At 12.52 a. commenced leaving in again slowly.
- Not plotted by hand.

Dr. Conner, W. H. W. and 12.52 a. then
N. by W. (P.S.C. both instances)

No. *Hy. 4655* Date *7 Aug. '02.*Machine. / Reel. *11. 11.*Turns *1183* Cor. + *101* Depth *1284 fms.*Shot or lead *60 Lbs.*Bottom *Wh. M. S. 47.*Bottom temperature *35.6°*No. of thermometer *98236.* Cor. *-0*Corrected temperature *35.6*Air *79°* - Surface *77°* - Drift~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.01.40</i>	<i>2.30.20</i>	0		
<i>03.20</i>	<i>29.40</i>	100		
<i>04.50</i>	<i>28.20</i>	200		
<i>06.30</i>	<i>27.20</i>	300		
<i>08.30</i>	<i>26.20</i>	400		
<i>10.30</i>	<i>25.15</i>	500		
<i>12.30</i>	<i>24.15</i>	600		
<i>14.55</i>	<i>23.10</i>	700		
<i>17.05</i>	<i>22.-</i>	800		
<i>19.20</i>	<i>20.50</i>	900		
<i>21.45</i>	<i>19.40</i>	1000		
<i>24.-</i>	<i>18.45</i>	1100		
<i>2.15.45</i>	<i>2.17.15</i>	<i>1183</i>		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird Id. - 575°E, 13.0'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4310
1185
3125

205
104
701
1183

1284

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy. 4656* Date *7 Aug. '02.*
Sigsbee Machine. / Reel. *(None)*
 Turns *1303* Cor. + *110* Depth *1413 fms.*
 Shot or Lead *60 lbs.*
 Bottom *(O. S.)*
 Bottom temperature *35.2*
 No. of thermometer *98236.* Cor. *-0*
 Corrected temperature *35.2*
 Air *79°* Surface *77°* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.56.00</i>	<i>3.26.15</i>	0		
<i>57.55</i>	<i>25.15</i>	100		
<i>58.50</i>	<i>24.10</i>	200		
<i>59.25</i>	<i>23.14</i>	300		
<i>3.00.25</i>	<i>22. -</i>	400		
<i>01.25</i>	<i>21. -</i>	500		
<i>02.25</i>	<i>20. -</i>	600		
<i>02.40</i>	<i>19. -</i>	700		
<i>04.45</i>	<i>18. -</i>	800		
<i>05.55</i>	<i>16.55</i>	900		
<i>07. -</i>	<i>15.55</i>	1000		
<i>08.50</i>	<i>14.55</i>	1100		
<i>10.55</i>	<i>13.35</i>	1200		
<i>2.10.15</i>	<i>2.12.55</i>	1300		
		1303		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird Id - 574° 30' E, 15.8'

OK
574°
15.8'

		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
4310	205	3700
1303	95	3800
<u>3607</u>	<u>110</u>	3900
	<u>1303</u>	4000
	1413	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

0257. 15

No. *4158* Date *Aug 7, 1912*
Sigsbee Machine. / Reel. *Heavy*
 Turns *18* Cor. + *2* Depth *20 fms*
 Shot or lead *36 lbs*
 Bottom *Co. G. m. S.*
 Bottom temperature *8.70*
 No. of thermometer *98236* Cor. *-0.1*
 Corrected temperature *78.6*
 Air *79* Surface *78* Drift *N 64° W 2.2'*
 Trawl or dredge *7 ft. beam trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-40</i>		0	<i>7-04.40</i>	<i>27.10</i>
		<i>40</i>	<i>* 06.25</i>	
		<i>45</i>	<i>25</i>	<i>27.15</i>
		<i>200</i>		
		300	<i>21 min</i>	
		400		
		500	<i>* Bottom</i>	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird Id North, 1.0'

OF
H (B)
1
20

4310

200

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4159* Date *July 7 1912*

Tanner Machine. — Reel.

Turns *29* Cor. + *1* Depth *30 fms*

Shot or lead *26*

Bottom *gy. M. S. ov.*

Bottom temperature

No. of thermometer *75306* Cor. *-0.1*

Corrected temperature *78.3°* (*78.4°*)

Air *77* Surface *78* Drift *2.5*

Trawl or dredge *8 fms in frame*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>5:32.00</i>					<i>7:35.00</i>		
			<i>415</i>		<i>37.10</i>		
			200				
			300		<i>24 min</i>		
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				

Center of Area ~~20~~ N 81° E, 2.0

		2500	
		2600	
66		2700	
100		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
456	12	3400	
29	17	3500	
	17	3600	
467	29	3700	
		3800	
	30	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

370

507.

No.

4160

Date

7 Aug. 02.

Machine.

Reel.

Turns

30

Cor. +

1

Depth

31 fms

Shot or lead

26 lb

Bottom

lv. deep m.

Bottom temperature

78.

No. of thermometer

98236

Cor.

-0.1

Corrected temperature

78.0°

{ N 51° W

Air

82

Surface

78

Drift

1.4'

Trawl or dredge

9 Tangle Swabs

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8. 06. 40

07. 30

30

8. 10. 00

8. 40. 00

100

12.00

200

27.00

8. 37. 00

300

25 min

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Masked end
of 20
21159.

Center of Buoy Id 583° E, 3.8'

OK
HAB
5/3

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

(37)

No. 4161

Date 7 Aug. 02

Machine.

Reel.

Turns 37

Cor. +

2

Depth 39 fms

Shot or lead 26 lb

Bottom oo. bottom

Bottom temperature 78°

No. of thermometer 98236

Cor. -0.1

Corrected temperature 77.9°

Air 82

Surface 78

Drift 1.3'

Trawl or dredge 8' Sigsbee Woods

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.42.00 8.43.30

37

100

150

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

8.48.00 9.18.30

52.00

15.00

9.08.00

9.13.00

5 min.

Center of Bird's 875° E, 5.0'

OK
JCB.
5/3

496- 12
37
459